

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1-15 (canceled)

16. (new) Green part having the following average mineral chemical composition, in percentages by weight on the basis of the mineral oxides:

40% ≤ Al₂O₃,

0% ≤ ZrO₂ ≤ 41%,

2% ≤ SiO₂ ≤ 22%,

1% < Y₂O₃ + V₂O₅ + TiO₂ + Sb₂O₃ + Yb₂O₃ + Na₂O, said green part being obtained by adding to a mixture of raw materials an amount greater than 1 % of a constituent consisting of one or more of the oxides from Y₂O₃, V₂O₅, TiO₂, Sb₂O₃, Yb₂O₃, and Na₂O.

17. (new) Green part according to claim 16, having the following average mineral chemical composition, in percentages by weight on the basis of the mineral oxides:

40% ≤ Al₂O₃ ≤ 94%,

0% ≤ ZrO₂ ≤ 41%,

2% ≤ SiO₂ ≤ 22%,

1% < Y₂O₃ + V₂O₅ + TiO₂ + Sb₂O₃ + Yb₂O₃ + Na₂O.

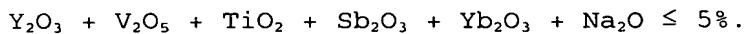
18. (new) Green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:

3% ≤ SiO₂.

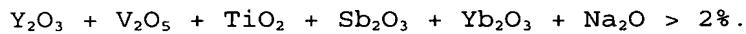
19. (new) Green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:

TiO₂ ≥ 2%.

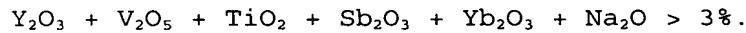
20. (new) Green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:



21. (new) Green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:



22. (new) Green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:

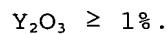


23. (new) Green part according to claim 16, wherein the content, in percentages by weight on the basis of the mineral oxides, of at least one oxide from Y_2O_3 , V_2O_5 , TiO_2 , Sb_2O_3 , Yb_2O_3 and Na_2O is greater than 1%.

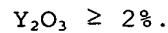
24. (new) Green part according to claim 16, wherein the content, in percentages by weight on the basis of the mineral oxides, of at least one oxide from Y_2O_3 , V_2O_5 , TiO_2 , Sb_2O_3 , Yb_2O_3 and Na_2O is greater than 2%.

25. (new) Green part according to claim 16, wherein the content, in percentages by weight on the basis of the mineral oxides, of at least one oxide from Y_2O_3 , V_2O_5 , TiO_2 , Sb_2O_3 , Yb_2O_3 and Na_2O is greater than 3%.

26. (new) Green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:



27. (new) Green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:



28. (new) Green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:

$\text{Y}_2\text{O}_3 \geq 3\%$.

29. (new) Process for manufacturing a sintered refractory product, comprising at least the following successive steps:

a) preparation of a green part according to claim 16 from a mixture of raw materials to which has been added an amount of greater than 1% of a constituent consisting of one or more of the oxides from Y_2O_3 , V_2O_5 , TiO_2 , Sb_2O_3 , Yb_2O_3 and Na_2O , in percentages by weight on the basis of the mineral oxides; and

b) sintering of said green part.